GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

STARRED QUESTION NO:305
ANSWERED ON:11.12.2000
POWER GENERATION FROM NCES
RAMDAS ATHAWALE;SURESH RAMRAO JADHAV (PATIL)

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the Government propose to make it mandatory for States to generate 10 per cent of its total power generation from non-conventional energy sources;

(b) if so, the details thereof;

(c) whether the States are taking any initiatives to exploit non-conventional energy sources in their respective States;

(d) if so, the details thereof State-wise;

(e) whether the Government have allocated/ propose to allocate funds to States for the purpose;

(f) if so, the details thereof; and
(g) if not, the steps being taken by the Government to attract investment from any other resources for this area?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE) (SHRI M. KANNAPPAN)

(a), (b), (c), (d), (e), (f) & (g) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a), (b), (c), (d), (e), (f) & (g) OF LOK SABHA STARRED QUESTION NO. 305 TO BE ANSWERED ON 11.12.2000 REGARDING POWER GENERATION FROM NCES BY SHRI SURESH RAMRAO JA AND SHRI RAMDAS ATHAWALE.

(a) & (b) : The Government envisions a major role for non-conventional energy sources in the energy sector in the coming decades. For this, the Ministry of Non-Conventional Energy Sources has formulated a Draft Renewable Energy Policy Statement. Among the goals envisaged in the draft Policy Statement for 2012 is to increase the share of non-conventional energy in the additional installed capacity to 10%, or 10,000 MW in the next 12 years.

(c) & (d): Yes, Sir. Various rural energy and solar energy programmes are being vigorously implemented by the States. The initiatives taken by the States for power generation from non-conventional energy sources include resource assessments and introduction of conducive policies by 14 States for wheeling, banking, third party sale and buy-back of power. Certain States provide modest capital subsidies; sales tax exemption / deferment; and, other infrastructure, including power evacuation facilities for non-conventional energy projects. Land is also allotted on concessional terms. The achievements made by various States under major non-conventional energy programmes is given in Annexure-I.

(e), (f) & (g) : Yes, Sir. The details of funds released during the last three years of the 9th Plan, upto 31st March 2000, are given in Annexure-II. In addition resources are also mobilised through various fiscal, financial incentives and other promotional measures to attract private investments to this sector.

Annexure referred to in reply to parts (c) & (d) of Lok Sabha Starred Question No.305 for 11-12-2000 regarding Power generation from Non-Conventional Energy Sources.
STATEWISE INSTALLATIONS MADE UNDER VARIOUS NON CONVENTIONAL ENERGY PROGRAMMES AS ON 31-3-2000.

Sl. No.	STATES/UT	BIOGAS PLANTS (Nos.)	IMPROVED CHULHA (Nos.in lakh)	SHP POWER (MW)	WIND POWER (MW)	BIOMASS SLS (MW)	BIOMASS HLS (MW)	BIOMASS SL PP (Nos.)	SOLAR PHOTOVOLTAIC Cooker (Nos.)	SOLAR PHOTOVOLTAIC Gasifiers (Nos.)	Solar (kWp)	Biomass U&I (kW)	U&I (MW)
1	Andhra Pradesh	273019	34.67	34.31	88.04	12	3217	1150	14401	20.6	11778	13634	7.7
2	Arunachal Prad	631	0.33	21.05	0	0	738	650	4437	7.9	530	180	0
3	Assam	35816	5.31	2.2	0	0	98	1666	475	3	80	23	0
4	Bihar	111422	11.42	0.05	0	0	673	456	41949	0	730	20	0
5	Goa	3145	1.17	0.05	0	0	31	31	51	1.72	1417	22	0
6	Gujarat	331642	13.29	2	166.91	0.5	1584	840	14808	14	47908	3921	2

7 Haryana 39373 9.87 0.2 0 4 1030 2939 20922 24.2 17752 964 0
8 Himachal Prad 42119 6.6 11.6 0 0 844 6843 17248 0 25616 7 0
9 Jammu & Kashmir 1759 4.14 8.37 0 0 389 10169 5225 0 345 120 0
10 Karnataka 263621 14.56 25.35 34.22 37 516 28 898 3 250 3699 1
11 Kerala 57231 8.67 5.52 2.025 0 675 2498 31386 4.7 194 615 0
12 Madhya Pradesh 169780 29.01 5.66 22.58 5 5554 149 7601 22.6 181000 4429 2.7
13 Maharastra 641143 22.92 7.03 79.28 9 3045 226 5268 5.6 52017 3323 0
14 Manipur 1756 0.65 4.1 0 0 370 50 3400 11 365 0 0
15 Meghalaya 989 0.18 1.51 0 0 593 320 3200 31.5 1164 0 0
16 Mizoram 2066 0.47 11.76 0 0 315 1645 3539 0 118 0 0
17 Nagaland 1032 0.26 3.87 0 0 271 8 0 6 0 0 0
18 Orissa 156738 17.63 1.26 1.1 0 5482 1064 5105 33.5 2981 72 0
19 Punjab 55683 11.07 9.9 0 10 955 2200 10265 41 17219 660 0.75
20 Rajasthan 65457 25.45 4.85 2 0 6685 15647 4624 0 36016 218 0
21 Sikkim 2445 0.68 9.25 0 0 127 160 320 0 20 0 0
22 Tamil Nadu 196413 26.11 6.7 770.73 94 2071 21 5203 25 1355 853 0.06
23 Tripura 1015 0.53 1.01 0 0 340 1478 6895 24.6 68 0 0
24 Uttar Pradesh 331339 37.04 31.39 0 50.5 708 57105 56288 178.9 39873 511 1
25 West Bengal 160726 29.6 7.98 0 0 1264 8942 3271 190.9 5575 530 0
26 A & Nicobar 137 0.31 0 0 0 334 390 434 149.1 59 167 0
27 Chandigarh 97 0.19 0 0 0 0 100 775 0 1523 0 0
28 D & N Haveli 168 0.13 0 0 0 0 0 0 0 81 0 0
29 Daman & Diu 0 0.01 0 0 0 0 0 0 0 0 0
30 Delhi 671 2.66 0 0 0 301 0 4753 5 27990 74 0
31 Lakshwadeep 0 0.05 0 0 0 704 0 5060 85 0 0 0
32 Pondicherry 539 0.36 0 0 0 2 0 531 0 88 0 0
33 Others 0 4.37 0 0.465 0 0 0 0 0 7000 318 0
Total 2947972 319.71 216.97 1167.35 222 38916 116775 278332 888.82 481112 34360 15.21

SHP = Small Hydro Power,
SLS= Street Lighting System,
HLS= Home Lighting System,
SL= Solar Lanterns
MW= Mega Watt,
kW= Kilo Watt,
U&I= Urban & Industrial Wast Energy
PP=Power Plants
kWp= kilowatt peak

State-wise details of funds released during last three years
under various programmes of the Ministry

(Rs. In crores) Funds Released

Sl.No. State/ UT 1997-98 1998-99 1999-2000

1 Andhra Pradesh 8.51 9.89 14.18
2 Arunanchal Pradesh 6.79 0.72 0.37
3 Assam 1.05 1.17 2.34
4 Bihar 0.72 2.78 3.93
5 Goa 0.12 0.58 0.11
6 Gujarat 6.11 7.65 4.45
7 Haryana 2.21 2.95 3.57
8 Himachal Pradesh 4.33 4.03 5.89
9 Jammu & Kashmir 1.01 1.97 3.49
10 Karnataka 7.56 10.33 9.37
11 Kerala 1.04 2.71 4.58
12 Madhya Pradesh 8.01 9.58 11.72
13 Maharashtra 6.72 8.2 16.09
14 Manipur 0.40 1.85 1.19
15 Meghalaya 0.32 0.63 0.41
16 Mizoram 9.52 3.33 2.93
17 Nagaland 0.23 0.66 0.51
18 Orissa 3.44 7.19 10.79
19 Punjab 3.16 6.59 10.06
20 Rajasthan 2.12 6.11 7.65
21 Sikkim 1.59 4.09 3.86
22 Tamil Nadu 3.99 3.65 6.41
23 Tripura 0.47 1.13 0.95
24 Uttar Pradesh 11.85 14.87 9.44
25 West Bengal 6.29 9.08 15.82
26 Andaman & Nicobar 0.04 0.13 0.18
27 Chandigarh 0.05 0.25 0.08
28 Dadar & Nagar Haveli 0.00 0.03 0.01
29 Daman & Diu 0.00 0.02 0.01
30 Delhi 0.47 0.22 0.52
31 Lakshwadeep 0.00 0.57 1.19
32 Pondicherry 0.08 0.40 0.12
33 Others 28.32 23.53 27.18

Total	126.52	146.89	179.40